Hradby:
$$1.\ \text{kvartil} - 1{,}5IQR$$
$$3.\ \text{kvartil} + 1{,}5IQR$$

Skewness:
$$\frac{\frac{1}{n}\sum_{i=1}^{n}(X_i - \bar{X})^3}{\left[\frac{1}{n}\sum_{i=1}^{n}(X_i - \bar{X})^2\right]^{\frac{3}{2}}}$$

Kurtosis:
$$\frac{\frac{1}{n}\sum_{i=1}^{n}(X_i - \bar{X})^4}{\left[\frac{1}{n}\sum_{i=1}^{n}(X_i - \bar{X})^2\right]^{2}}$$

Pravdepodobnosti:
$$\frac{\hat{p} - p}{\sqrt{\frac{\hat{p}(1-\hat{p})}{n}}} \overset{\cdot}{\sim} N(0,1)$$

$$\frac{(\hat{p}_1 - \hat{p}_2) - (p_1 - p_2)}{\sqrt{\frac{\hat{p}_1(1-\hat{p}_1)}{n_1} + \frac{\hat{p}_2(1-\hat{p}_2)}{n_2}}} \overset{\cdot}{\sim} N(0,1)$$

Korelácia:
$$Z = atanh(\hat{\rho})$$
$$Z \overset{\cdot}{\sim} N\left(atanh(\rho), \frac{1}{n-3}\right)$$

Regresia:
$$S^2 = \frac{SS_e}{n-k}$$

$$\frac{a^T\hat{\beta} - a^T\beta}{S\sqrt{a^T(X^TX)^{-1}a}} \sim t_{n-k}$$

$$\frac{\frac{SS_{eSUBMODEL} - SS_{eMODEL}}{m}}{\frac{SS_{eMODEL}}{n-k}} \sim F_{m,n-k}$$

IS pre kontrast:
$$a^T\hat{\beta} \pm t_{n-k;2,5\%}S\sqrt{a^T(X^TX)^{-1}a}$$

simultánny IS pre kontrast:
$$a^T\hat{\beta} \pm \sqrt{k \cdot F_{k,n-k;5\%}}S\sqrt{a^T(X^TX)^{-1}a}$$

predikčný interval:
$$a^T\hat{\beta} \pm t_{n-k;2,5\%}S\sqrt{1 + a^T(X^TX)^{-1}a}$$

simultánny predikčný interval:
$$a^T\hat{\beta} \pm \sqrt{k \cdot F_{k,n-k;5\%}}S\sqrt{1 + a^T(X^TX)^{-1}a}$$